

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

October 25, 1949



The October meeting of the Board of Trustees of the University of Illinois was held on Tuesday, October 25, 1949, in the Illini Union Building, in Urbana, according to the following schedule:

11 a.m. — Executive session as in Committee of the Whole.

2 p.m. — Open session.

The following members were present: President Williamson, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Mr. Nickell, Mrs. Watkins.

President Stoddard was present; also, Assistant to the President A. J. Janata, Secretary H. E. Cunningham, Comptroller Lloyd Morey, Legal Counsel W. E. Britton, and, during the open session, Director of Public Information J. F. Wright.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of July 28, 1949.

On motion of Mr. Nickell, the minutes were approved as printed on pages 489 to 808 above.

ACTION OF EXECUTIVE COMMITTEE — PURCHASE OF COAL

The Secretary presented for record a report of the action of the Executive Committee on October 21, 1949, authorizing the purchase of twenty-five cars (approximately 1,250 tons) of 1¼" washed screenings, at \$5.25 a ton, f.o.b. mine, freight rate \$2.05 a ton, total cost a ton \$7.30 and total for this order, \$9,125, from the Republic Coal and Coke Company, Chicago.

In this connection, the Comptroller reported that the bid of the Republic Coal and Coke Company had been conditioned on immediate acceptance, and that the price had been raised to \$5.50 by the Company before the action of the Executive Committee could be communicated to them.

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered the following matters presented by the President of the University.

PURCHASE OF COAL

(1) On October 21, 1949, the Executive Committee authorized the purchase of twenty-five cars (approximately 1,250 tons) of 1¼" washed screenings, from the Republic Coal and Coke Company, Chicago, to increase the University's coal supply at Urbana-Champaign in view of the coal strike. As of October 12 the University had in storage in Urbana-Champaign approximately 4,000 tons of coal which, under normal operations, would be sufficient for twenty-six days. The additional twenty-five cars would add approximately eight days to the present supply. The Director of Purchases has located, through the Republic Coal and Coke Company, a source of coal mined at Staunton, Illinois, by members of the Progressive Mine Workers Union who are not on strike. The Republic Coal and Coke Company is a distributor. The University now has a contract with this Company to supply coal as needed throughout the fiscal year 1949-1950 from a Danville mine in which United Mine Workers are employed, but this coal can not be delivered because of the strike.

The recommendation to the Executive Committee was based on an oral offer. The Company is now unable to supply this coal at the original price of \$5.25 a ton but will accept an order at \$5.50 a ton (plus freight at \$2.05 a ton, or a price of \$7.55 a ton delivered) for twenty cars to be shipped a car a day. The order will be subject to cancellation by the University at any time.

In view of the coal shortage and the uncertainty of deliveries from Danville under the University's standing contract, the Director of Purchases recommends that an order be placed with the Republic Coal and Coke Company at \$5.50 a ton. To avoid further price increases he has placed an order for twenty cars on this basis, subject to approval by the Board. He is trying to find additional coal and has located eight cars which were bought at the price of \$5.25 a ton f.o.b. mine, the price authorized by the Executive Committee.

Under current market conditions, price competition is not feasible and it is a matter of purchasing coal wherever it is available as a protection against curtailing power plant operations further. Immediately after the coal strike started on September 19 all Physical Plant operations were reviewed in order to reduce to a minimum the use of steam and electric power.

I recommend approval as an emergency measure, and that further purchases be authorized between this time and the next meeting of the Board, by concurrence of the President of the Board and the Comptroller; and that the President of the University be authorized to transmit to the members of the staff a statement of the situation, to the end that the greatest economy in the use of coal be promoted.

On motion of Mr. Fornof, these recommendations were adopted.

CHANGE IN STATUS OF PROFESSOR WILLIAM E. BRITTON

(2) Professor William E. Britton of the College of Law has also been serving as Legal Counsel since September 1, 1945. He accepted this assignment with the expectation that he would be able to teach part time as his predecessors had

done. The volume of legal work required of him has increased to such an extent that he finds it impracticable to combine it with part-time teaching or to do any substantial amount of legal research. He does not want to give up teaching and research entirely.

Professor Britton has, therefore, requested that (a) he be relieved of his services as Legal Counsel and be appointed Professor of Law on full time, effective February 1, 1950, and that (b) he be granted a sabbatical leave of absence on full pay for the second semester of 1949-1950. He plans to use this sabbatical leave on research and on revisions of four of his case books. He has been out of law teaching, in effect, for seven years and needs to reorient himself.

I recommend approval.

President Stoddard and President Williamson expressed their appreciation of the able and faithful services of Professor Britton as Legal Counsel.

On motion of Mr. Nickell, the recommendations of the President of the University were approved.

LICENSING OF BETATRON IMPROVEMENT PATENTS

(3) The University holds two patents (United States patents 2,447,255, Kerst *et al*, August 17, 1948, and 2,473,123, Adams, June 14, 1949) covering improvements in the betatron. The first (No. 2,447,255) is an improvement which makes the betatron particularly useful in radiography and in X-raying materials. It makes the X-rays come from a very fine focal point which enables a fine flaw to be discovered in any material being examined. The second patent (No. 2,473,123) is a circuit which increases the X-ray yield of the betatron and brings the yield up to a more or less uniformly high level.

The University has been following the policy of patenting improvements and accessories designed for the betatron by members of the staff. No financial return is expected but the effect of the policy puts the University in a strong position to influence the use of the basic betatron patents by the General Electric Company which holds them. The General Electric Company's policy permits universities to make betatrons for research purposes and it also grants manufacturers nonexclusive royalty-free licenses to make betatrons for the same purpose.

The Head of the Department of Physics and the Chairman of the University Research Board recommend that the Allis-Chalmers Manufacturing Company of Milwaukee, Wisconsin, be given a royalty-free nonexclusive license to use the inventions claimed in United States patents 2,447,255, Kerst *et al*, August 17, 1948, and 2,473,123, Adams, June 14, 1949, both assigned to the Board of Trustees of the University of Illinois.

The Head of the Department of Physics and the Chairman of the University Research Board also recommend that immediate steps be taken to secure patent coverage in Great Britain on the inventions claimed and allowed in United States patent application serial No. 617,255, Kerst. This improvement is known as the "Betatron Injector Structure."

I concur in these recommendations.

On motion of Mr. Hickman, these recommendations were approved and adopted.

RELEASE OF PATENT RIGHTS TO ENDOMYCIN

(4) For some years past, a program of systematic research aimed at discovering new antibiotic substances has been supported at the University by contributions from three pharmaceutical houses: Abbott, Eli Lilly, and Upjohn. Of several antibiotic agents studied in this work, one, an antifungal agent which has been tentatively named Endomycin, seems to have some promise of becoming a useful therapeutic agent.

Much expensive work must be done before any such possibility can be realized; this will be undertaken by the drug companies involved. Meanwhile, as a precaution, these firms desire the culture and isolation of Endomycin to be patented. Since the terms of the University's agreement with them prescribe that they be granted royalty-free nonexclusive licenses under any patents resulting from this work, it

is a matter of no particular consequence to the pharmaceutical houses concerned whether they or the University hold the patent on Endomycin.

It seems unlikely that royalties on such a patent would ever be realized by the University, since the three important companies holding royalty-free licenses will be well ahead of the others in their knowledge and facilities for producing Endomycin, and able to supply any quantities that are required, in the judgment of Professor H. E. Carter of the Department of Chemistry who has been directing the research work in this field. Other firms are therefore not likely to desire to obtain licenses to produce this antibiotic.

There appears to be no doubt that the University and its individual members who have participated in the program will get their full share of credit for Endomycin, whoever holds the patents.

The University Research Board recommends that the patent rights to Endomycin be released to Professors H. E. Carter of the Department of Chemistry and David Gottlieb of the Department of Horticulture, the discoverers.

I concur.

On motion of Mr. Livingston, this release was authorized as recommended.

REQUEST OF THE ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

(5) From time to time the Board of Trustees of the University of Illinois has been invited to become a member of the "Association of Governing Boards of State Universities and Allied Institutions," and the invitation has recently been renewed. The Association is an organization of over sixty governing boards of state-supported institutions of higher education in thirty-two states and Puerto Rico.

The Middle West is well represented. All of the Big Ten Universities, with the exception of Northwestern University, which is privately owned and therefore not eligible, and the University of Illinois, are members.

The annual dues for the University of Illinois would be \$120. The Association has an annual meeting usually in September or October.

On motion of Mr. Herrick, membership in this association was authorized.

REPORT OF TESTS OF COAL

(6) In previous reports on contracts for coal for Urbana-Champaign Power Plant for 1949-1950 (June 25 and July 28, 1949) it was indicated that quarterly reports of tests of coal are to be made to the Board. The Physical Plant Department has submitted through the Comptroller the report of tests for the month of September, 1949, which is submitted herewith (see Appendix, page 935).

This report was received for record.

AGREEMENT WITH BUILDING SERVICE EMPLOYEES UNION RELATING TO WAGE RATES FOR JANITOR SERVICE AT URBANA-CHAMPAIGN

(7) In its meeting on May 21 and 22, 1948 (Minutes, page 1093), I presented to the Board of Trustees a suggested basis for agreement between the University and Local 119, Building Service Employees International, for establishing the principle of paying prevailing rates for janitor service on the Urbana campus. The statement was approved as the basis of further negotiation and I was requested to send the statement to the Executive Committee of the Board for its consideration and action.

Following correspondence with the Executive Committee, the Committee approved a statement which included the following paragraph:

The University base rate for Janitor shall be a rate agreed upon by negotiations in behalf of a large group of janitors engaged in work of a similar character under union contract in a representative group of Illinois cities including Chicago.

At its meeting on July 21, 1948 (Minutes, page 10), the Board approved a further statement as to the interim relationship between the Union and the University pending the completion of final and detailed negotiations.

The Director of Nonacademic Personnel reports that he has now completed negotiations and that an agreement has been reached which fully satisfies the conditions established by the Board and which is likewise acceptable to the Union. Under this agreement, University wage rates will be tied to rates paid by the Building Managers' Association of Chicago and by a group of boards of education in suburban communities west and southwest of Chicago.

The immediate effect of this agreement is to provide for a five-cent increase in the present hourly wage of \$1.35 (of which increase three cents is the value of six paid holidays not heretofore granted to custodial employees), and to reduce the working time of night janitors by a twenty-minute lunch period to be allowed within the work shift.

I have approved this agreement as being in accordance with the principles established by previous action of the Board.

On motion of Mr. Nickell, this agreement was approved.

CASE OF VIRGINIA KENNY

At this point, Mr. Livingston, in the absence of Dr. Karl A. Meyer, Chairman, made an informal report on a meeting of the Committee on Chicago Departments to consider the Kenny case (see Minutes, September 29, 1949, page 816).

After discussion, on motion of Mr. Hickman, the President of the University was requested to investigate this matter further in conference with the Committee on Chicago Departments.

OPEN SESSION

When the Board convened in open session after luncheon, the same members and officers were present as during the morning session.

APPOINTMENTS TO THE FACULTY MADE BY THE PRESIDENT OF THE UNIVERSITY

The Secretary reported that the President has approved the following new appointments to the faculty of the rank of Assistant Professor and above since the previous meeting of the Board of Trustees:

1. MARIE A. HINRICHS, Assistant Professor of Hygiene, beginning October 15, 1949, at an annual salary of \$5,500.
2. HERBERT O. KUBLY, Associate Professor of Speech, beginning September 1, 1949, at an annual salary of \$5,500.
3. WILLIAM H. MILLER, Assistant Professor of Music, on one-fourth time, beginning September 1, 1949, at an annual salary of \$1,250.
4. GEORGE E. F. PICKARD, Associate Professor of Agricultural Engineering, beginning November 14, 1949, at an annual salary of \$6,500.
5. HEINZ M. VON FOERSTER, Special Research Assistant Professor of Electrical Engineering, beginning September 1, 1949, at an annual salary of \$5,000.

On motion of Mr. Livingston, these appointments were confirmed.

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered the following matters presented by the President of the University.

CANCELLATION OF LEAVE OF ABSENCE FOR ASSOCIATE PROFESSOR JOHN H. GARLAND

(1) Associate Professor John H. Garland of the Department of Geography was granted a sabbatical leave of absence on full pay for the second semester of 1949-1950 (Minutes, March 10, 1949, page 292). He has asked permission to postpone the leave until such time when he will be in a position to utilize more fully its benefits.

I recommend that his leave be cancelled without prejudice as to a future application.

On motion of Mr. Nickell, this leave was cancelled as recommended.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(2) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded the following who have made applications therefor under Section 5 of the Accountancy Act of 1943, and who have submitted evidence that they are holders of valid and unrevoked certificates of certified public accountants obtained in other states by passing the regular written examinations. They have also met the other requirements specified in Section 5 of the Act.

GEORGE HERBERT BREYER (N.C.)
JOHN HARRY GILBY (N.Y.)

SAMUEL WILLIAM MCWILLIAMS (Ind.)

I concur.

On motion of Mr. McLaughlin, these certificates were awarded as recommended.

LEGAL SERVICES FOR MEDICAL CENTER STEAM COMPANY

(3) The costs of the legal services required in setting up the Medical Center Steam Company and in financing the construction of the steam plant for the Chicago Professional Colleges are payable by the University. The firm of Isham, Lincoln, and Beale, Chicago, was employed for this purpose under arrangements between the Medical Center Steam Company and the Northwestern Mutual Life Insurance Company, which is financing the project.

The officers of the Medical Center Steam Company have submitted a report of legal services rendered to date and have asked the University's concurrence. The law firm desires to charge a fee which is entirely satisfactory to the University. This has been considered by the Legal Counsel and the Comptroller, who recommend that the University concur in a fee of \$8,500 for services rendered through October 10, 1949. Of this total, \$1,000 is related to the organization of the Company and \$7,500 to financing. There will probably be some additional legal expense incidental to the final closing of the bond issue after construction is completed about July, 1951. These legal services will be paid for by the Medical Center Steam Company and no University appropriation is required at this time.

I recommend that the Board of Trustees concur in the payment of the proposed fee.

On motion of Mr. Herrick, the Board concurred in the payment of the proposed fee.

PAYMENTS TO LOCAL GOVERNMENTS IN LIEU OF TAXES

(4) An Act of the General Assembly of Illinois (Senate Bill 276, Sixty-sixth General Assembly), approved July 8, 1949, authorizes the Board of Trustees of the University to make payments to local governments in lieu of taxes on certain University properties. Pursuant to this act, the Legal Counsel has made agreements with the State's Attorneys of Champaign, Piatt, and De Kalb Counties to pay for governmental services in lieu of taxes. Payments were made covering the period 1944 through 1948 (of which \$23,456.02 was the amount paid for 1948), on income-producing properties. A summary of the payments is presented for record:

Champaign County

On 128 residence properties constructed or purchased by the University for rental to staff.....	\$20 977 10
On Kimmel farm, near Savoy, adjoining the University of Illinois Airport.....	I 421 56
(This represents payments for the period 1944-1947. The land has now been turned over to the Athletic Association for use as a golf course so that it will no longer be taxable.)	
On Arcade Building, 1944-1948.....	I 429 46
(This payment covers only the taxable area of the building, which is leased as a commercial restaurant.)	

On Nally property, 1945-1948.....	135 83
(This property is at the corner of Wright Street and University Avenue and was acquired by the University, through a bequest, as an endowment of scholarships. The land is leased by the University to the Mid-Continent Petroleum Corporation which operates a filling station on it. The Corporation pays the taxes on the improvements.)	
<i>Total, Champaign County</i>	\$23 963 95

Piatt County

On Allerton Farms, 1947-1948.....	\$10 004 90
(A credit of \$1,309.01 was given for payments made by the University to Willow Branch Township for oiling roads which serve the Allerton Farms.)	

De Kalb County

On Wright Farms, 1945-1948.....	\$ 7 451 24
<i>Total</i>	\$41 420 09

This report was received for record.

ANNUAL PAYMENTS TO INSTITUTE OF INTERNATIONAL EDUCATION

(5) The Institute of International Education was established in 1919 to provide needed services to foreign students, professors, and scholars desiring to study in the United States, as well as students and professors in American colleges and universities desiring to study abroad. Its leadership in stimulating exchanges of students between the United States and foreign countries is universally recognized.

Through the years the Institute has been supported largely by grants of funds from educational foundations. The demands on the Institute and its activities have developed to such an extent that it needs more financial support. An appeal has been made, on behalf of the Institute, to the colleges and universities which it serves to contribute annually to its support. Utilizing the Institute's services has resulted in financial savings to colleges and universities. In the case of the University of Illinois an annual contribution could be regarded as payment for services. An annual subscription of \$300 has been suggested.

I recommend that such annual payments be authorized.

On motion of Mrs. Holt, this recommendation was approved.

APPROPRIATIONS OF ATHLETIC ASSOCIATION FUNDS

(6) The Board of Directors of the Athletic Association requests approval of its action in making the following assignments from surplus funds of the Association:

(a) Payment to the Alumni Association for services rendered, \$3,000. This is in partial payment of the salary of a member of the Alumni Association staff who performs field services for the Athletic Association.

(b) Expenses of sending the University of Illinois band to the Iowa-Illinois game at Iowa City, Iowa, October 8, 1949, \$10,000. The action of the Directors was "... an appropriation of \$10,000 or as much thereof as might be needed ... " The actual expense of this band trip was \$2,408.76.

These funds were available for the purposes indicated and I recommend that the action of the Board of Directors be confirmed.

On motion of Mr. Livingston, these assignments were confirmed.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(7) The Committee on Nonrecurring Appropriations recommends assignments of funds from the "Reserve for Nonrecurring Purposes" in the budget for 1949-1950 as follows:

Urbana-Champaign

1. Improvement of illumination in Civil Engineering drafting rooms... \$ 7 500
2. Remodeling and improvements in building at 1206 W. Illinois Street (operated by the University in conjunction with the University Club of Urbana)..... 4 000

3. Purchase of microscopes for Department of Zoology.....	\$ 7 647
4. Remodeling in Natural History Building.....	2 930
Changes in Paleobotanical Laboratory (105 and 105b Natural History Building).....	\$1 400
Changes in Plant Physiology Laboratory (153 Natural History Building).....	780
Fireproofing of storage vault in basement of Natural History Building.....	750
5. Remodeling Botany Annex and Natural History greenhouses.....	7 275
<i>Total, Urbana-Champaign</i>	<u>\$29 352</u>

Chicago Professional Colleges

6. Remodeling of Room 166 of Dentistry, Medicine, and Pharmacy Building for the College of Pharmacy.....	\$ 3 000
7. Remodeling Room 660 of Dentistry, Medicine, and Pharmacy Building for the College of Pharmacy.....	2 800
8. Remodeling quarters in the Dentistry, Medicine, and Pharmacy Building for the Department of Pharmacology, College of Medicine.....	3 000
<i>Total, Chicago Professional Colleges</i>	<u>\$ 8 800</u>
<i>Grand Total</i>	<u>\$38 152</u>

I concur.

On motion of Mrs. Watkins, these appropriations were made as recommended, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Mr. Nickell, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hickman, Dr. Meyer, Mr. Stevenson.

CONTRACT FOR POWER PLANT EQUIPMENT

(8) Bids have been received for switchgear and incidental equipment in connection with the power plant addition in Urbana. The proposal covers the furnishing of five new switch panels and the conversion, reconditioning, and installation of new current transformers on twenty-one existing switch panels to increase interrupting capacity of the present installation. The conversion, reconditioning, and new current transformers for the existing switchgear is necessary because of the increase in the total generating capacity of the station.

Although advertisements were placed in two newspapers and three manufacturers were specifically invited to make proposals, only one bid of \$66,266.40 was received. It is from the Allis-Chalmers Manufacturing Company of Chicago. This bid is subject to adjustment upward or downward in accordance with the prices in effect at the time of shipment not to exceed 10 per cent of the bid price. The architects for this project, Sargent and Lundy, believe that it is impossible to secure competitive bids for this work because of the necessity of matching the present installation and due to the fact that most of the work involved is on the conversion and reconditioning of the equipment manufactured by the Allis-Chalmers Manufacturing Company. They have analyzed the bid and compared it with similar bids on current work handled by their office of other manufacturers and are satisfied that the price quoted is fair and reasonable.

Funds are available for this work in the State Appropriation for the Power Plant addition in Urbana, subject to release of these funds by the Governor.

The Director of the Physical Plant Department and the Comptroller recommend the award of a contract to the Allis-Chalmers Manufacturing Company in accordance with their bid of \$66,266.40 subject to an adjustment in price upward or downward at the time of shipment not to exceed 10 per cent of the price quoted.

I concur in these recommendations and request that the Comptroller and the Secretary of the Board be authorized to execute the contract.

On motion of Mr. Fornof, these recommendations were approved and authority was granted as recommended.

**CONTRACT FOR ENGINEERING SERVICES ON REHABILITATION OF
WATER SUPPLY SYSTEM IN THE RESEARCH
AND EDUCATIONAL HOSPITALS**

(9) The water system in the Illinois Surgical Institute of the Research and Educational Hospitals needs to be modernized and rehabilitated.

The Director of the Physical Plant Department and the Comptroller recommend the award of a contract to the firm of Neiler, Rich, and Bladen, Chicago, for engineering services on the rehabilitation of the hot and cold water systems at a fee of 8 per cent of the cost of the work covered by the construction contracts and any additional work required by the University. It is estimated that the fee will amount to approximately \$2,500.

Funds are available.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mr. McLaughlin, authority was granted as recommended.

**CONTRACT FOR ENGINEERING SERVICES ON REPLACEMENT OF
ELEVATORS IN THE RESEARCH AND EDUCATIONAL HOSPITALS**

(10) Two elevators in the Research and Educational Hospitals must be replaced. Holabird and Root and Burgee, Architects and Engineers, Chicago, have submitted a proposal to do the engineering work, including preparation of plans and specifications, at a fee of 5 per cent of the cost of the replacement of the two elevators. The total fee is estimated to be \$5,000.

Holabird and Root and Burgee are the architects for the new hospital addition and the work on this addition will involve considerable work in the present Research and Educational Hospitals. They will be able to coordinate the replacement of the elevators with the construction of the hospital addition.

Funds are available.

The Director of the Physical Plant Department and the Comptroller recommend award of a contract to Holabird and Root and Burgee for the engineering work on this project.

On motion of Mr. Nickell, this contract was awarded as recommended.

ADDITION TO CONTRACT FOR EAST CHEMISTRY BUILDING

(11) The Department of Chemistry requests that a vibration proof foundation be constructed in the basement of the East Chemistry Building on which to install a large compressor.

The Director of the Physical Plant Department and the Comptroller recommend an addition to the contract with the John Felmley Company in the amount of \$1,759 (see Minutes, August 5, 1947, page 502).

Funds are available in the State appropriation for East Chemistry Building equipment for the 1949-1951 biennium. I concur and recommend that the Comptroller be authorized to execute this contract change.

On motion of Mr. Livingston, authority was given as recommended.

COMPTROLLER'S REPORT OF CONTRACTS

(12) The Comptroller's report of contracts executed from September 11 to October 10, 1949 (see Appendix, page 935).

This report was received for record.

PURCHASES

(13) A report of (A) emergency purchases authorized and (B) purchases recommended (see Appendix, page 937).

On motion of Mr. McLaughlin, the action of the President of the University in authorizing emergency purchases was approved and confirmed, and the purchases recommended were authorized.

LETTER FROM MR. R. G. SODERSTROM

Mr. Nickell presented a letter and resolution from Mr. R. G. Soderstrom, which had been sent to the members of the Board, concerning the work and policies of the Institute of Labor and Industrial Relations.

On motion of Mr. Nickell, the Secretary was requested to acknowledge receipt of this letter and to state that the Board hopes to meet all its obligations to its students and to all groups and interests in the State.

SECRETARY'S REPORTS

The Secretary presented the following lists for record, as printed in the Appendix.

1. Appointments made by the President of the University (page 925).
2. Graduate fellows (page 927).
3. Resignations and declinations (page 928).
4. List of degrees conferred on October 15, 1949 (page 929).

On motion of Mr. Nickell, the Board adjourned to meet in November at the Chicago Professional Colleges.

H. E. CUNNINGHAM
Secretary

KENNEY E. WILLIAMSON
President

APPENDIX

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parenthesis is the date on which the appointment was made by the President of the University. Part-time appointments are shown by fractions after the name of the department. C = College; S = Station; E = Extension.)

- ARKIN, JAMES, Instructor, Architecture (Undergraduate Division in Chicago) ($\frac{1}{2}$), academic year beginning September 1, 1949, \$2370, supersedes (10-15-49).
- BAZOLA, FRED N., Associate Professor, Crowns and Fixed Partial Dentures (Dentistry) ($\frac{1}{2}$), indefinite tenure beginning October 1, 1949, \$3500 a year, supersedes (10-19-49).
- BHATTACHARYYA, P. K., Special Research Assistant, Chemistry (Graduate College), ten months beginning October 1, 1949, \$3000 (10-18-49).
- BOFFO, LOUIS S., Assistant, Institute of Labor and Industrial Relations, September 16, 1949-January 31, 1950, \$266.66 a month, supersedes (10-12-49).
- BONNETT, ORVILLE T., JR., Assistant, Surgery (Medicine) ($\frac{3}{4}$), ten months beginning September 1, 1949, \$150 a month (10-15-49).
- BRELAND, HERMAN L., Assistant and Special Research Assistant, Soil Fertility (Agronomy) (S), September 16, 1949-January 31, 1950, \$283.34 a month, ($\frac{1}{2}$), seven months beginning February 1, 1950, \$141.67 a month, supersedes (10-15-49).
- BRIXEY, ALBIN M., JR., Clinical Assistant, Medicine (Medicine), September 24, 1949-August 31, 1950, without salary (10-14-49).
- CUTLER, HOWARD A., Instructor, Economics, academic year beginning September 1, 1949, \$4300, supersedes (10-19-49).
- DOERR, DALE W., Assistant, Pharmacy (Pharmacy), nine months beginning October 1, 1949, \$260 a month (10-15-49).
- DRAGICH, ZORA, Research Associate, Bacteriology (Medicine) ($\frac{7}{10}$), ten months beginning September 1, 1949, \$2500 (9-27-49).
- DRISCOLL, MAE, Instructor, Physics (Undergraduate Division in Chicago), September 23, 1949-August 31, 1950, to render service during the academic year, \$300 a month, supersedes (10-14-49).
- EDWARDS, PHYLLIS, Music ($\frac{1}{3}$), Summer Session, 1949, two months beginning June 15, 1949, \$223 (10-18-49).
- ERKMAN, J. O., Special Research Assistant, Physics (C), five months beginning September 16, 1949, \$270 a month (10-15-49).
- ERSKINE, E. B., Professor, Hygiene, indefinite tenure, and Director, Health Service, one year, Undergraduate Division in Chicago, beginning September 1, 1949, \$9000 a year, supersedes (9-27-49).
- FEIN, GLORIA B., Research Assistant, Physiology (Medicine), one year beginning September 16, 1949, \$2700 (10-14-49).
- FISHER, MARVIN, JR., Special Research Assistant, Electrical Engineering (S) ($\frac{1}{2}$) (on Y basis), one year beginning September 1, 1949, and Teaching Assistant, Electrical Engineering (C) ($\frac{1}{2}$), nine months beginning September 16, 1949, \$2800, supersedes (10-15-49).
- FORT, M. K., JR., Assistant Professor, Mathematics (Liberal Arts and Sciences) ($\frac{1}{2}$), and Research Assistant Professor, Mathematics (Graduate College) ($\frac{1}{2}$), academic year beginning September 1, 1949, \$4300, supersedes (10-18-49).
- FRANKEL, SHERMAN, Special Research Associate, Physics (S), one year beginning September 1, 1949, \$4200 (10-15-49).
- FRIEDMAN, ELMER A., Clinical Instructor, Otolaryngology (Medicine), eleven months beginning October 1, 1949, without salary (10-14-49).
- FRYE, BURTON J. C., Assistant, English, nine months beginning September 16, 1949, \$2400 (9-26-49).
- GOLLIN, HARVEY A., Clinical Assistant, Obstetrics and Gynecology (Medicine), eleven months beginning October 1, 1949, without salary (10-14-49).
- GRACE, MRS. DAVID, Reserve House Director, ten months beginning September 1, 1949, \$1250; also to be provided room valued at \$100 a year (10-19-49).
- GREENWALD, ARTHUR L., Instructor, English (Undergraduate Division in Chicago), five months beginning September 1, 1949, \$300 a month (10-19-49).
- HAAS, LEWIS, Assistant Professor, Radiology (Medicine), one year beginning September 1, 1949, \$6000, supersedes (10-17-49).

- HARFORD, DOROTHY B., Instructor, Psychology, and Associate Counselor, Student Counseling Bureau (Undergraduate Division in Chicago, September 10, 1949-August 31, 1950, \$4000 a year (10-14-49)).
- HERFINDAHL, ORRIS C., Instructor, Economics, academic year beginning September 1, 1949, \$4500, supersedes (10-19-49).
- HILKER, GLORIA L. J., Assistant Professor, Hygiene, and Medical Adviser for Women (Undergraduate Division in Chicago) ($\frac{2}{3}$), one year beginning September 1, 1949, \$4400, supersedes (9-29-49).
- HINRICHS, MARIE A., Assistant Professor, Hygiene, and Medical Adviser for Women, October 15, 1949-August 31, 1950, \$5500 a year (10-12-49).
- HOWARD, LORN L., Special Research Assistant, Electrical Engineering (S), one year beginning September 1, 1949, \$3800, supersedes (10-15-49).
- JONES, RUDARD A., Research Associate Professor, Architecture (Architecture) ($\frac{1}{2}$), and Small Homes Council ($\frac{1}{2}$), one year beginning September 1, 1949, \$6600, supersedes (10-15-49).
- JULIAN, ORMAND C., Clinical Assistant Professor, Surgery (Medicine) ($\frac{2}{3}$), one year beginning July 1, 1949, \$1800, supersedes (10-15-49).
- KAUFMAN, JEROME D., Clinical Assistant, Obstetrics and Gynecology (Medicine), eleven months beginning October 1, 1949, without salary (10-14-49).
- KIRKPATRICK, MRS. ALICE C., Instructor, Business Law (Business Organization and Operation), academic year beginning September 1, 1949, \$3600 (10-12-49).
- KLAPPERICH, A. J., Instructor, Physics (Undergraduate Division in Chicago), September 23, 1949-August 31, 1950, to render service during the academic year, \$375 a month, supersedes (10-14-49).
- KUBLY, HERBERT O., Associate Professor, Speech, indefinite tenure beginning September 1, 1949, to render service during each academic year, \$5500 a year (10-5-49).
- LANGDON, JOHN C., Externe, Clinical Psychology (Student Counseling Bureau), one year beginning September 1, 1949, \$2200 (10-12-49).
- LATHAM, ORA F., Instructor, Mathematics (Undergraduate Division in Chicago), five months beginning September 1, 1949, \$425 a month (10-14-49).
- LAUGHLIN, JOHN S., Assistant Professor, Radiology, Radiation Physicist (Medicine), eleven months beginning October 1, 1949, \$633.33 a month, supersedes (10-18-49).
- LEGRAND, DOROTHY L., Assistant, Home Economics (C & S), nine months beginning September 16, 1949, \$3500 (10-15-49).
- LINDSAY, JAMES E., JR., Assistant, Radiology (Medicine), one year beginning September 1, 1949, \$3300 (10-14-49).
- MADISON, MARCIA M., Research Assistant, Pediatrics (Medicine), one year beginning September 1, 1949, \$3000 (10-18-49).
- MALONE, ANTHONY J., Instructor, Graduate Pedodontia (Dentistry), eleven months beginning October 1, 1949, \$300 a month (10-18-49).
- MANNING, JOHN J., Clinical Assistant, Medicine (Medicine), September 20, 1949-August 31, 1950, without salary (10-15-49).
- MCCALL, B. C., Instructor, Social Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1949, \$3500 (10-14-49).
- MEYER, JULIA, Research Associate, Oral Pathology (Dentistry), three months beginning October 1, 1949, \$350 a month (10-14-49).
- MILLER, WILLIAM H., Assistant Professor, Music ($\frac{1}{4}$), academic year beginning September 1, 1949, \$1250 (10-17-49).
- MOHAN, JAMES T., Assistant, Social Science (Division of General Studies), nine months beginning September 16, 1949, \$2600, supersedes (10-15-49).
- OLECH, ELI, Associate Professor, Oral and Maxillofacial Surgery, and Director, Minor Oral Surgery (Dentistry) ($\frac{1}{2}$), indefinite tenure beginning October 1, 1949, \$3750 a year, supersedes (10-18-49).
- OSGOOD, BESS G., Research Associate, Physiology (Graduate College), one year beginning September 1, 1949, \$5500 (10-15-49).
- PHINNEY, PAUL B., Assistant, Physiology, nine months beginning September 16, 1949, \$2400, supersedes (10-18-49).
- PICKARD, GEORGE E. F., Associate Professor, Agricultural Engineering (C) ($\frac{1}{2}$), to render service during the academic year, and (S) ($\frac{1}{2}$), November 14, 1949-August 31, 1950, \$6500 a year (10-19-49).

- PRICE, PAUL W., Instructor, Music, academic year beginning September 1, 1949, \$3000, supersedes (10-12-49).
- QUESTIAUX, LILLIAN M., Instructor, Physical Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1949, \$3400 (10-18-49).
- QUETSCH, MARIAN F., Instructor, Physical Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1949, \$3200 (10-18-49).
- RICKETTS, ROBERT, Instructor, Orthodontia (Dentistry), one year beginning September 1, 1949, \$3000, supersedes (9-27-49).
- RIDDELL, JOSEPH M., JR., Assistant, Dermatology (Medicine), eleven months beginning October 1, 1949, without salary (10-15-49).
- SADOVE, M. S., Associate Professor, Anesthesia, and Head of the Division of Anesthesia (Surgery) (Medicine) (95/100), indefinite tenure beginning September 1, 1949, \$11,000 a year, supersedes (10-18-49).
- SANFORD, C. W., Professor, Education, indefinite tenure, and Associate Dean of the College of Education, one year, and Coordinator of Teacher Education ($\frac{1}{2}$), University of Illinois, and ($\frac{1}{2}$), Office of the State Superintendent of Public Instruction, one year, beginning September 1, 1949, \$8750 a year, supersedes (10-1-49).
- SCHWEITZER, ALBERT W., Instructor, Pathology (Rush) (Medicine) ($\frac{1}{4}$), one year beginning September 1, 1949, \$1000 (10-18-49).
- SMITH, DOUGLAS B., Instructor, Economics, academic year beginning September 1, 1949, \$4000, supersedes (10-19-49).
- SPROW, MRS. CLEMENTINE H., Circulation Assistant, Library, September 26, 1949-August 31, 1950, \$233.33 a month (10-14-49).
- STAUB, ALFRED, Postdoctoral Research Assistant, Chemistry (Graduate College), one year beginning October 1, 1949, \$3600 (10-15-49).
- STEWART, GORDON S., Assistant Professor, Biological Chemistry (Rush) (Medicine) ($\frac{1}{2}$), academic year beginning September 1, 1949, \$2675, supersedes (10-5-49).
- STONE, ELIZABETH, Electroencephalographer, Psychiatry (Medicine), eleven months beginning October 1, 1949, to render service during the academic year, \$220 a month (10-15-49).
- TAAFFE, EDWARD J., Instructor, Social Sciences (Undergraduate Division in Chicago) ($\frac{2}{3}$), academic year beginning September 1, 1949, \$2100 (10-14-49).
- THOMAS, JAMES H., Assistant, Agricultural Engineering (S), September 16, 1949-January 31, 1950, \$220 a month, and ($\frac{1}{2}$) February 1, 1950-June 15, 1950, \$110 a month (10-15-49).
- THURSTON, ERIC W., Clinical Instructor, Pathology (Medicine), eleven months beginning October, 1949, without salary (10-14-49).
- VERSEN, WALTER G., Assistant, Physical Education for Men (Undergraduate Division in Chicago), nine months beginning September 16, 1949, \$2900 (10-18-49).
- VON FOERSTER, HEINZ M., Special Research Assistant Professor, Electrical Engineering (S), one year beginning September 1, 1949, \$5000 (10-17-49).
- WERELIUS, CARL Y., Clinical Assistant, Surgery (Medicine), eleven months beginning October 1, 1949, without salary (10-15-49).
- WEST, VINCENT I., Assistant, Agricultural Economics (S), one year beginning September 1, 1949, \$4500, supersedes (10-14-49).
- WHITESIDE, EUGENE P., Associate Professor, Soil Physics (Agronomy) (C) ($\frac{1}{2}$), to render service during each academic year, and (S) ($\frac{4}{5}$) (on Y basis), indefinite tenure beginning November 1, 1949, \$6500 a year, supersedes (10-15-49).

GRADUATE FELLOWS

(The following appointments were made by the President of the University on the dates indicated in parenthesis.)

- CAZORT, RALPH J., Research Fellow, Pharmacology (Medicine), ten months beginning September 1, 1949, \$1000 (10-14-49).
- EILAR, KENDRICK R., Postdoctoral Fellow, Chemistry (Graduate College), nine months beginning September 1, 1949, \$3000 (10-15-49).
- GREEN, MARY J., Florence L. White Fellow, Economics, nine months beginning September 16, 1949, \$700 (9-30-49).
- HIOCO, DESYR, Research Fellow, Allergy (Medicine), six months beginning October 1, 1948, \$300 a month (10-14-49).

- KRUP, MAX, Research Fellow, Clinical Science (Medicine), one year beginning September 1, 1949, \$3600 (10-15-49).
- LABOW, JULIEN A., Research Fellow, Clinical Science (Medicine), one year beginning September 1, 1949, \$1500 (10-14-49).
- LEGATOR, MARVIN, Upjohn Fellow, Horticulture, September 15, 1949-August 31, 1950, \$1150 (9-22-49).
- LEIVA, JOSE OSCAR, Research Fellow, Orthodontia (Dentistry), ten months beginning September 1, 1949, \$125 a month (10-18-49).
- MACFARLANE, DAVID W., Roche Fellow, Pharmacology (Medicine), eleven months beginning October 1, 1949, \$1650 (10-14-49).
- NOWLIN, GENE, DuPont Postdoctoral Fellow, Chemistry, nine months beginning October 1, 1949, \$3000 (10-15-49).
- RIDLER, DUNCAN, Booth Fellow, Agricultural Economics, nine months beginning September 16, 1949, \$1500 (9-27-49).
- ROBERTSON, CHARLOTTE, Research Fellow, Clinical Science (Medicine), four months beginning June 1, 1949, \$1080 (10-14-49).
- STALLMEYER, JAMES E., Standard Oil Company Fellow, Civil Engineering, September 16, 1949-January 31, 1950, \$750 (10-5-49).

RESIGNATIONS AND DECLINATIONS

- ANSTEY, T. H., Assistant Professor, Pomology (Horticulture) (S & E) — declination effective 9-1-49.
- BURDON, JOHN, Assistant, Anesthesia (Surgery) (Medicine) — declination effective 7-1-49.
- DANA, MRS. ANN S., Assistant, Animal Nutrition (Animal Science) (S) — declination effective 9-1-49.
- FAINER, DAVID C., Research Fellow, Clinical Science (Medicine) — resignation effective 9-1-49.
- GRAHAM, JOHN W., Special Research Associate, Ceramic Engineering (S) — resignation effective 10-16-49.
- GREEN, G. H., Special Research Assistant, Mechanical Engineering (S) — declination effective 9-1-49.
- GREEN, MORRIS, Assistant, Pediatrics (Medicine) — declination effective 7-1-49.
- HALL, LUCILA J., Instructor, Speech — resignation effective 9-1-49.
- HARDRE, RENE, Instructor, Pathology (Rush) (Medicine) — declination effective 9-1-49.
- HARTMAN, MRS. EDITH, Instructor, Physical Sciences (Undergraduate Division in Chicago) — resignation effective 9-1-49.
- HINTON, MARY L., Bibliographer, rank of Instructor, Library — resignation effective 9-20-49.
- HOWARD, WILLIAM A., Fellow, Mathematics — resignation effective 9-16-49.
- HU, HAN CHUAN, Special Research Associate, Electrical Engineering (S) — resignation effective 10-1-49.
- HURT, A. E., Instructor, Business Law (Business Organization and Operation) — declination effective 9-1-49.
- JACOBSON, MARVIN, United States Public Health Service Research Fellow, Applied Materia Medica and Therapeutics (Dentistry) — declination effective 5-1-49.
- KATZ, ROBERT, Special Research Associate, Physics (S) — resignation effective 9-1-49.
- KIRKPATRICK, BERNARD F., Instructor, Business Law (Business Organization and Operation) — resignation effective 9-1-49.
- MCCREIGHT, LOUIS R., Special Research Associate, Ceramic Engineering (S) — resignation effective 11-11-49.
- McNAMARA, R. A., Instructor, Mechanical Engineering (C) — declination effective 9-1-49.
- MUNSEY, F. A., Assistant, Pediatrics (Medicine) — declination effective 9-1-49.
- PROCTOR, LAURA M., Fellow, English — resignation effective 9-16-49.
- SPENCER, WILLIAM F., Assistant, Soil Physics (Agronomy) (S) — resignation effective 10-10-49.
- STONE, G. P., Instructor, Social Sciences (Undergraduate Division in Chicago) — declination effective 9-1-49.

TEITELMAN, S. L., Clinical Assistant, Surgery (Medicine) — declination effective 9-1-49.

TINSLEY, MILTON, Assistant Professor, Neurological Surgery (Neurology and Neurological Surgery) (Medicine) — resignation effective 10-1-49.

DEGREES CONFERRED OCTOBER 15, 1949

Summary

Degrees in the Graduate College:

Doctor of Philosophy.....	73
Doctor of Education.....	5
Master of Education.....	2
Master of Arts.....	21
Master of Science.....	31
Master of Fine Arts.....	2
<i>Total, Graduate College.....</i>	<i>134</i>

Degrees in Law:

Bachelor of Science.....	1
Bachelor of Laws.....	2
<i>Total, Law.....</i>	<i>3</i>

Baccalaureate Degrees:

Bachelor of Science, College of Agriculture.....	4
Bachelor of Arts, College of Liberal Arts and Sciences.....	6
Bachelor of Science, College of Liberal Arts and Sciences.....	7
Bachelor of Science, College of Education.....	1
Bachelor of Science, College of Commerce and Business Administration	4
Bachelor of Science, College of Fine and Applied Arts.....	2
Bachelor of Science, Division of Special Services for War Veterans..	11
<i>Total, Baccalaureate Degrees.....</i>	<i>35</i>

Total, Degrees Conferred..... 172

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Agricultural Economics

THOMAS APPLEGATE HIERONYMUS, B.S., Illinois State Normal University, 1941; M.S., 1947

In Animal Science

RICHARD FERRIN WILSON, B.S., Iowa State College, 1943; M.S., 1947

In Ceramic Engineering

JAMES ADAMSON CROOKSTON, B.S., M.S., Missouri School of Mines and Metallurgy, 1942, 1946

In Ceramics

JAY EUGENE COMEFORO, B.S., M.S., Rutgers University, 1944, 1946

In Chemical Engineering

HORACE ANTHONY CATALDI, B.Ch.E., College of the City of New York, 1940; M.S., 1947

DONALD STRONG SCOTT, B.S., M.S., University of Alberta, 1944, 1946

In Chemistry

HUGH VERITY ANDERSON, A.B., Kalamazoo College, 1943

ERIC BARTHEL, JR., B.S., Bradley Polytechnic Institute, 1943; M.S., 1947

ROBERT EDWARD BERRY, B.S., Brown University, 1944; M.S., 1947

ROGER ELDON BEYLER, A.B., North Central College, 1944; A.M., 1947

PRABHAT KUMAR BHATTACHARYYA, B.S., Presidency College (Calcutta), 1941; M.S., University of Calcutta, 1943

THEODORE EDWIN BOCKSTAHLER, A.B., Indiana University, 1942; M.S., 1947
JOSEPH HENRY BOYER, A.B., Hanover College, 1942
WARREN WILLIAM BRANDT, B.S., Michigan State College, 1944
LORENZO WORTH BURDETT, B.S., University of Idaho, 1943
EMMETT H. BURK, JR., B.S., Arkansas State College, 1942
JOHN B. CAMPBELL, B.S., University of Kansas, 1947
BODIE EUGENE DOUGLAS, B.S., M.S., Tulane University, 1943, 1947
HERBERT SAMUEL ELINS, B.S., Franklin and Marshall College, 1943; M.S., 1947
DONALD LOUIS FELLE, B.S., Arkansas State College, 1941; M.S., 1947
JOSEPH RUDNICK GORDON, A.B., Amherst College, 1944
WILLIAM EARL HAMLIN, A.B., Lawrence College, 1944; M.S., 1947
RICHARD EDWIN HECKERT, A.B., Miami University, 1944; A.M., 1947
CHARLES GEORGE HUMISTON, B.S., Alma College, 1939
RICHARD GUY INSKEEP, A.B., Miami University, 1944; M.S., 1947
DUDLEY DAVIS KIMPTON, B.S., M.S., Case School of Applied Science, 1945, 1946
GLENDALE LEE KING, B.S., 1947
RUPERT EDWIN LIGHT, JR., B.S., Virginia Polytechnic Institute, 1941; M.S., 1946
CLIFFORD DANIEL MARSHALL, B.S., Southern Methodist University, 1942
ANTON MUDRAK, B.S., M.S., 1938, 1947
NILS KEITH NELSON, B.S., Missouri School of Mines and Metallurgy, 1946; M.S., 1947
JOHN PETER PELLEGRINI, JR., B.S., Yale University, 1946; M.S., 1947
RUTH CHARLOTTE PIERLE, A.B., University of Cincinnati, 1945; A.M., 1947
JAMES EARL REINSCHREIBER, B.S., 1944
MORTON ROTHSTEIN, A.B., University of British Columbia, 1946; M.S., 1947
YODER FULMER SHEALY, B.S., University of South Carolina, 1943
DONALD JAMES SHIELDS, B.S., Lafayette College, 1943
STANLEY HAROLD SIMONSEN, A.B., Iowa State Teachers College, 1940; M.S., 1947
ROBERT STEACY SPRAGUE, B.S., Washington and Jefferson College, 1943
SAMBASIVA SWAMINATHAN, B.S., A.M., Annamalai University, 1943, 1945
PETER ALBERT TAVORMINA, B.S., Polytechnic Institute of Brooklyn, 1943; M.S., 1947
CRAYTON BEVILLE THOMPSON, B.S., University of Texas, 1942; M.S., 1947
FRANK VERBANAC, B.S., Wayne University, 1941; M.S., 1947

In Civil Engineering

ROMILOS TEODOSIADIS, B.S., Robert College, 1945; M.S., 1947
LEONARDO ZEEVAERT, C.E., University of Mexico, 1937; M.S., Massachusetts Institute of Technology, 1941

In Classics

CARROLL EUGENE SIMCOX, A.B., University of North Dakota, 1933; B.D., Oberlin College, 1936; A.M., 1944

In Dairy Science

GEORGE WILMER REINBOLD, B.S., Pennsylvania State College, 1942; M.S., 1947

In Economics

RICHARD JACK TEWELES, B.S., M.S., 1946, 1948

In Education

MARTIN CURTIS HOWD, JR., B.Ed., Western Illinois State College, 1929

In Electrical Engineering

JOHN HAROLD BRYANT, B.S., Agricultural and Mechanical College of Texas, 1942; M.S., 1947
HAN CHUAN HU, B.S., Chiao Tung University, 1940; M.S., University of Michigan, 1941
ARTHUR WU-NIEN LO, B.S., Yenching University, 1938; A.M., Oberlin College, 1946
CLEVE CRUMBY NASH, JR., B.S., M.S., Agricultural and Mechanical College of Texas, 1932, 1933

In English

JAMES LOUIS JACKSON, A.B., A.M., 1938, 1940
LEWIS MALCOLM MAGILL, JR., A.B., Illinois Wesleyan University, 1934; A.M., 1943
GLYN NICHOLAS THOMAS, A.B., A.M., 1942, 1946

In Entomology

PEH-I CHANG, B.S., National Central University, 1941; M.S., 1946

In Geology

BENJAMIN GROTE, B.Ed., Western Illinois State College, 1928; A.M., 1934
KARL JOSEPH KOENIG, B.S., M.S., 1941, 1946

In History

FREDERICK ALEXANDER PALMER, A.B., State College of Washington, 1941; A.M., 1946

In Mathematics

DWIGHT BENJAMIN GOODNER, A.B., William Penn College (Iowa), 1934; A.M., Haverford College, 1935

In Metallurgical Engineering

GLEN WILLIAM WENSCH, B.S., M.S., 1946, 1947

In Philosophy

THOMAS MORRIS HAYNES, A.B., Butler University, 1941; A.M., 1949

In Physical Education

PAUL ALFRED HUNSICKER, B.S., Syracuse University, 1939; M.P.E., Springfield College, 1941
HENRY JOSEPH MONTOYE, B.S., Indiana University, 1943; M.S., 1947

In Physics

LEON BESS, B.S., M.S., 1942, 1946
SHERMAN FRANKEL, A.B., Brooklyn College, 1943; M.S., 1947
HERBERT ERNEST KUBITSCHKE, B.S., University of Chicago, 1942; M.S., 1947

In Physiology

RAY LEROY HAYS, A.B., M.S., 1941, 1947

In Theoretical and Applied Mechanics

STANLEY IRWIN WEISS, B.Aero.E., M.Aero.E., Rensselaer Polytechnic Institute, 1945, 1947
CHIA-SHIANG YEN, B.S., National Central University, 1939; M.S., 1946

In Zoology

JOHN ARTHUR SEALANDER, JR., A.B., Luther College, 1940; M.S., Michigan State College, 1942
RALPH MARTIN WETZEL, B.Ed., Western Illinois State College, 1938; M.S., 1939

Professional Degrees*Degree of Doctor of Education*

RONALD WILLIAM CLARK, B.S., 1927; A.M., University of Chicago, 1932
VYNCE ALBERT HINES, B.S., M.S., 1933, 1937
DONALD MARTIN SHARPE, A.B., Monmouth College, 1930; A.M., University of Chicago, 1935; Ed.M., 1941
DON FREDERICK THOMANN, A.B., A.M., University of Chicago, 1938, 1941; Ed.M., 1947
RAYMOND G. WILSON, B.S., Memphis State College, 1933; Ed.M., Duke University, 1942; Ed.M., 1946

Degree of Master of Education

SUE CHARLOTTE CRAIN, B.Ed., Southern Illinois University, 1938; M.S., 1945
EVELYN MILDRED LUECKING, A.B., Harris Teachers College, 1943; A.M., Ohio State University, 1947

Degree of Master of Arts*In Economics*

FREDERICK PLUMMER CURRIER, JR., A.B., 1948
ROY WILBUR JAKLE, A.B., Eureka College, 1948
LAVERNE ARLINE KRUEGER, A.B., Rockford College, 1944
MING-CHE LEE, B.S., M.S., National Central University, 1944, 1948
ERCELL VENARD PULLEY, B.Ed., Southern Illinois University, 1942
MARGARET ANNE ROBBINS, A.B., 1945
STEPHEN THEODORE WORLAND, A.B., 1947

In Education

JENNIE LOUISE YOUNG, B.Ed., Southern Illinois University, 1942

In English

JOHN CHRISTIAN BALE, A.B., Concordia College, 1948
SARAH ANN LASERSOHN FELDNER, A.B., Antioch College, 1946
DOROTHY ANN GROSS, A.B., Mt. Holyoke College, 1947
LYDA ECKE LAPALOMBARA, A.B., 1945
CHARLES MASON, A.B., LeMoyne College, 1948
CLARE HALL MURRELL, A.B., 1941

In History

ALTHEA LUCILLE STOECKEL, A.B., Shurtleff College, 1942

In Labor and Industrial Relations

SEYMOUR CHALFIN, A.B., George Washington University, 1948
EVA GABRIELE COHN, B.B.A., University of Georgia, 1948
PETER BLOCK LIVERIGHT, A.B., Goddard College, 1943

In Political Science

JOHN ALLEN APPLEMAN, A.B., 1933
WEN-PIN CHEN, A.B., National Wu-Han University, 1941

In Psychology

WILLIAM E. BROBERG, B.S., 1948

Degree of Master of Science*In Accountancy*

JOSEPH EARL CARRICO, B.S., Miami University, 1948

In Agricultural Economics

WILLIAM JAMES FOREMAN, B.S., University of Arkansas, 1947

In Animal Science

GRANT WILSON SHERRITT, B.S., Iowa State College, 1948

In Ceramic Engineering

ROBERT BRYSON DAY, B.S., 1938
RAYMOND CARLYLE WOMELDORPH, B.S., Virginia Polytechnic Institute, 1942

In Chemical Engineering

ALBERT LESLIE BABB, B.A.Sc., University of British Columbia, 1948
RANDAL EMERY BAILEY, B.Ch.E., Ohio State University, 1942
MARVIN ARTHUR PROSCHE, B.S., University of Notre Dame, 1947

WALTER LEE ROBB, B.S., Pennsylvania State College, 1948
 KLAUS DIETER TIMMERHAUS, B.S., 1948

In Chemistry

CLIFFORD OLIVER NYMAN, B.S., 1947

In Clinical Psychology

NADINE FERGUSON, A.B., Washington University, 1947
 SYLVIA FRIEDMAN, A.B., Brooklyn College, 1947
 MARJORIE ANN PFEIFFER, A.B., University of Maryland, 1947

In Dairy Science

MYROSLOW PURKO, B.S., 1948

In Education

ROBERT HUNSAKER GOURLEY, B.S., 1947
 HANAKO HANNAH IKEDA, B.S., Milwaukee State Teachers College, 1947
 HARRY ARTHUR KUPPERMAN, LL.B., De Paul University, 1933
 MELVIN TORCH, B.S., 1948

In Electrical Engineering

HERMAN EDWARD KOENIG, B.S., 1947
 HARRY RICHARD ROBBINS, B.S., 1947

In Geology

WILLIAM NATHAN GREGG, JR., B.S., 1947

In Journalism

JAY WALBOURNE JENSEN, A.B., Emory University, 1948

In Library Science

THOMAS EDWARD RATCLIFFE, JR., A.B., University of North Carolina, 1934;
 B.S.(L.S.), 1940
 PAUL WALTER WINKLER, B.Ed., Illinois State Normal University, 1939; B.S.
 (L.S.), 1941

In Speech Correction

FERN NIGHTINGALE TURNER, A.B., 1945

In the Teaching of Biological Science and General Science

FRANK JEFFERSON LANIER, JR., A.B., Fisk University, 1948

In Theoretical and Applied Mechanics

ROYCE ELLIOTT BECKETT, B.S., 1944
 ARTHUR PETER BORESI, B.S., 1948
 THADDEUS MUSSER ELSESSER, B.S., 1945

In Zoology

PHILIP WAYNE SMITH, A.B., 1948

Degree of Master of Fine Arts

In Painting

RUDOLPH JOHN CARRASCO, B.F.A., Wittenberg College, 1948
 GEORGE NORTON FOSTER, B.F.A., 1940

COLLEGE OF LAW

Degree of Bachelor of Science

In Law

RICHARD ZIMBEROFF

Degree of Bachelor of Laws

HOWARD SAWYER BJELLAND, A.B., MILTON GASSEL, B.S., 1947
 Aurora College, 1947

COLLEGE OF AGRICULTURE**Degree of Bachelor of Science***In Agriculture*

JOSEPH IRICK IFTNER, with Honors

DEAN FRANKLIN JOHNSON, with Honors

In Dairy Technology

RICHARD PAUL RUECKERT

In Home Economics

JANETTE MAGUIRE DILLAVOU

COLLEGE OF LIBERAL ARTS AND SCIENCES**Degree of Bachelor of Arts***In Liberal Arts and Sciences*VERA AMELIANOVICH
ELLEN SONYA CONOVITZ
MARY JANE CRAMERCHARLES ISENBERG
WILLIAM MAGILL KEELAN
CAROL JEAN PALBICKE**Degree of Bachelor of Science***In Liberal Arts and Sciences*LESTER LOUIS BURACK
ELAINE MARIE GEORGEFF
CLIFFORD WALLACE GOTAAS
JEANNE PATRICIA OLIVERCHARLENE PALMAN
HOWARD LEE WALKER
EDWARD KEITH WARDRIP**COLLEGE OF EDUCATION****Degree of Bachelor of Science***In Education*

ELIZABETH FUNDERBURK

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**Degree of Bachelor of Science***In Accountancy*

JOHN STRATTON MARTHALER

In Management

BARRY MARSHALL SPAK

In Management and Marketing

BOBBY DAVE GRUNDEN

In Marketing

ALBERT IRA ROSENBERG

COLLEGE OF FINE AND APPLIED ARTS**Degree of Bachelor of Science***In Architectural Engineering*

CARLISLE ELLSWORTH EVANS

In Architecture

ROBERT GEORGE KNOPP

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS**Degree of Bachelor of Science**LEM DAVIS CALLAHAN
THOMAS FRANCIS CONLEY
ROBERT MORRISON DAVISONJAMES MILTON DIEHL
ROBERT GENE GRAHAM
HAROLD EDWARD HENDERSON

CARL ALBERT LUNDGREN, JR.
THOMAS CHARLES MARSTERS
JOHN CALDWELL SHAW

SAUL ALBERT VIESS
JAMES WALTER WESTLER
BRYAN R. WEST

REPORT OF COMPLIANCE OF REPUBLIC COAL AND COKE COMPANY WITH CONTRACT SPECIFICATIONS FOR COAL DELIVERED TO ABBOTT POWER PLANT DURING MONTH OF SEPTEMBER, 1949

Coal contracts specified 2,700 tons of coal to be delivered during the month of September; however due to the miners' three-day work week slow down and the strike, which was effective on September 19, 1949, only 2,073.4 tons were delivered.

Coal samples for each of the three weeks in which coal was delivered were sent to the State Geological Survey in Urbana for analysis, and were found to fall within the limits of the specifications as set forth in the contract. No premiums or penalties were necessary. Although the contract does not include penalties or premiums for moisture content of coal, it does include a maximum guaranteed moisture content. Due to the drier at the mine being out of order, the coal delivered had a moisture content above the guarantee. Negotiations are now in process for an adjustment of this discrepancy.

The following table is a comparison between the guaranteed analysis with the actual analysis as determined by the State Geological Survey:

<i>Coal Characteristics</i>	<i>Guaranteed Analysis</i>	<i>Actual Analysis</i> 9/1-6/49	<i>Actual Analysis</i> 9/7-13/49	<i>Actual Analysis</i> 9/14-22/49
Moisture.....	11.7%	12.3%	14.5%	13.1%
Ash.....	7.7-9.7%	9.3%	9.1%	8.6%
Sulphur.....	1.8-3.8%	3.14%	3.06%	2.97%
B.T.U./lb.....	12887-13413	13205	13288	13383
Per cent Fines.....	0-22%	not checked	15.66%	13.97%

The above analyses were again used as a basis for calculating the heat value received for one cent and they appear to compare very favorably with that calculated at the time the contract was awarded. The B.T.U./cent at the time of contract award was 45,937. The average B.T.U./cent from analyses 45,603. This is less than 0.8% variation from that used as a basis of award. The nearest competitor, at the time of award, offered only 41,800 B.T.U./cent.

Rough calculation from operating data (which has not been checked by closely controlled boiler efficiency tests) shows that operation with Republic Coal and Coke Company coal under contract gives an evaporation of approximately eight pounds of steam per pound of coal, whereas operation with coal of the nearest competitor, the Bell and Zoller Coal Company, Murdock mine, gives only seven pounds of steam per pound of coal. Burning an average of 150 tons of coal a day of Bell and Zoller Company coal would only amount to 131.25 tons of Republic Coal and Coke Company coal or a saving of 18.75 tons a day. ($18.75 \times \$4.954/\text{ton} = \92.89).

We believe that the burning tests and coal analysis made to date have entirely justified our recommendation of the Republic Coal and Coke Company over the other bidders.

GORDON V. CARLSON
Superintendent of Utilities
Physical Plant Department

October 6, 1949

**COMPTROLLER'S REPORT OF CONTRACTS EXECUTED
SEPTEMBER 11 TO OCTOBER 10, 1949**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
War Department, Corps of Engineers	Contract No. W-15-029-eng-1623	\$ 5 450 00	June 21, 1949
U.S. Atomic Energy Commission	Contract No. AT-(40-1)-282	12 740 00	July 1, 1949
War Department, Headquarters Fifth Army	Contract No. W-11-175-TNG(AAV)- 237	4 557 00	June 21, 1948

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
War Department, Headquarters Fifth Army	Contract No. W-11-175-TNG(AAV)-239	3 720 00	June 21, 1948
Navy Department, Office of Naval Research	Contract No. N6 ori-07125	11 500 00	August 17, 1949
E. R. Squibb and Sons	Cooperative investigation covering research on "Striated muscle relaxants"	4 000 00	May 1, 1949
Smith, Kline, and French Laboratories	Research work on muscular relaxation with aid of synthesized drugs, known and new	9 350 00	August 1, 1949
American Society of Heating and Ventilating Engineers	Psychological adjustments of human beings to rapid changes in environment	6 500 00	July 1, 1949
Northern Illinois Utilities Co.	Transmission line right-of-way agreement, De Kalb County	225 00	September 19, 1949
Illinois Commercial Telephone Co.	Right-of-way agreement on Allerton Park property	1 00	September 19, 1949
Norris Electric Cooperative	Construct electric power transmittal line in Richland County	None	August 1, 1949
Medical Center Steam Co. and City of Chicago	Acceptance of ordinance and assignment of ordinance concerning the Medical Center Steam Company	1 00	August 5, 1949
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
National Arts Foundation, Inc.	Forty-five minute lecture by Mary Garden to School of Music students and faculty only	\$ 300 00	July 2, 1949
G. R. Grubb and Co.	Photoengraving for year July 1, 1949, to June 30, 1950	3 1/2¢ per unit	July 1, 1949
Baldwin Locomotive Works	Use of wire type strain gage	None	June 29, 1949
Pitney-Bowes, Inc.	Monthly machine inspection	24 00	August 1, 1949
Medical Center Steam Co.	Furnish steam service to Medical Center District	None	July 1, 1949
Illinois Power Co.	Lighting and power requirements of the 4-H Memorial Camp at Robert Allerton Park	For electricity used	July 14, 1949
Circulating Exhibit of Museum of Modern Art	Exhibit at Navy Pier	80 00	October 3, 1949
E. Todd Wheeler	Personal services, consulting architect, one-half time, one year	5 500 00	July 1, 1949
White Line Laundry and Model Laundry Co.	Laundry service, September 1, 1949, to June 30, 1951	Per schedule	September 1, 1949
Cook County School of Nursing	Provisions for formation of Cook County School of Nursing	Per schedule	

ADJUSTMENTS IN AUTHORIZATIONS ISSUED PRIOR TO AUGUST 11, 1949, UNDER COST-PLUS STANDING CONTRACTS

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>
Lewis S. Colbert	Twelve adjustments	\$2 190 06 ¹
Reliable Plumbing and Heating Company	Eleven adjustments	876 39 ¹
Schroeder's	One adjustment	140 27 ¹
Square Deal Electric Company	Five adjustments	471 26 ¹

REPORT OF CONTRACT CHANGES EXECUTED

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Kuhne-Simmons Co.	Staff housing, Race and Florida construction	\$4 019 47	September 9, 1949

¹Deduct.

PURCHASES

A. Purchases Authorized

The following purchase was authorized by the President of the University on the recommendations of the Director of Purchases and the Comptroller.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Five c.c. Tritium (H_3) radioactive diluted with normal hydrogen	Physics	U.S. Atomic Energy Commission, Chicago	\$1 315 00 f.o.b. Chicago

B. Purchases Recommended

The Director of Purchases has proposed and the Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of the lowest bid.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two petrographic microscopes, complete with 4C mm., 16 mm., and 4 mm., acromatic objectives, 6x and 8x Huyghenian eyepieces, 120 mm. diameter ball bearing stage, complete with accessories and cases	Geology	W. H. Kessel & Co., Chicago	\$2 420 00 f.o.b. Urbana (1.210 each)
190 No. 5687 Tung-Sol JAN inspected tubes	Graduate College, Computer	Tung-Sol Lamp Works, Inc., Newark, N.J.	1 045 00 f.o.b. Newark
Two 20-gallon capacity (four 5-gallon cans) bulk milk dispensers; 30 5-gallon milk cans for use with above; 2 cartons tubes for use with above	Residence Halls	Norris Beverage Dispenser, Inc., Minneapolis, Minn.	1 526 00 f.o.b. Minneapolis
One diorama occupying 2 units, each unit of an approximate size of 23" x 46" x 34", to show a land and marine habitat with land dinosaurs, pterodactyls and marine plesiosaurs; complete diorama to be delivered and installed	Museum of Natural History	Paul Marchand, Ebenzer, N.Y.	1 200 00
One model "MS" Cleveland folder (to replace a Cleveland folder that has been in use since 1919)	Print Shop	Dexter Folder Co., Chicago	7 720 00 f.o.b. Pearl River, N.Y.
2,640 lbs. acetic acid, c.p. reagent; 14,760 lbs. hydrochloric acid, c.p. reagent; 10,220 lbs. nitric acid, c.p. reagent; 23,400 lbs. sulphuric acid, c.p. reagent; 5,880 lbs. ammonium hydroxide, c.p. reagent	General Chemical Stores	J. T. Baker Chemical Co., Chicago	8 528 72
500 vials, aqueous procaine penicillin, 10 cc., 300,000 u./c.c.	Research and Educational Hospitals Pharmacy	Wyeth, Inc., Chicago	1 150 00
9,000 reams No. 4 bleached white 16 lb. sulphite mimeograph paper 8 $\frac{3}{4}$ " x 10 $\frac{3}{4}$ "; 1,000 reams No. 4 bleached white 16 lb. sulphite mimeograph paper 8 $\frac{3}{4}$ " x 13 $\frac{3}{4}$ "	Chicago Professional Colleges and Chicago Undergraduate Division General Stores	Messinger Paper Co., Chicago	5 045 00
29,064 board feet No. 1 S4S kiln dried fir lumber	Physical Plant	Edward Hines Lumber Co., Chicago	2 520 50 f.o.b. Urbana
One 2 $\frac{1}{2}$ ton platform truck to replace 1926 Mack platform truck No. 254	Physical Plant	Sullivan Chevrolet Co., Champaign	2 889 93
7,230 lineal feet trench excavation and backfill; trench to be 3' deep (This is for a water distribution system to serve the poultry plant of the Department of Animal Science. The contractor will dig the trench and backfill it after the Physical Plant Department has put in the pipe line.)	Physical Plant	Verne Scott, Champaign	1 084 50
655 30" x 73" innerspring mattresses to be built from used felt mattresses (for use in temporary dormitories)	Residence Halls	Dodge-Dickinson Co., Bloomington	4 807 95 f.o.b. Champaign
1,000 copies <i>Timberland Times</i> , by Eugene Davenport	University Press	H. Wolff Book Manufacturing Co., New York	1 691 50

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
1,000 copies, <i>Oneirophrenia</i> , by Laddislas J. Meduna	University Press	Pantagraph Printing & Stationery Co., Bloomington	1 176 50
1,000 copies, <i>The Literary Apprenticeship of Mark Twain</i> , by Edgar M. Branch	University Press	Pantagraph Printing & Stationery Co., Bloomington	2 550 00
30,000 copies, 1949-1950 Second Semester Time Table, to be printed by photo offset	University Press	Interstate Printing Co., Danville	4 530 20
One four-door sedan, to replace 1941 Ford sedan	Physical Plant	Dana Hudelson, Inc., Champaign	1 013 44 net bid
One four-door sedan with automatic gear shift, to replace 1941 Dodge sedan	Extension Service in Agriculture and Home Economics	West's Pontiac Co., Monticello	1 336 58 net bid
One 1½ ton truck with 12 ft. van body (this is an additional truck necessary for deliveries from the Central Receiving Station)	Purchasing Office	Dana Hudelson, Inc., Champaign	2 155 00
One refrigerated centrifuge, portable, laboratory, complete with accessory equipment	Chemistry	Chicago Apparatus Co., Chicago	2 509 30 f.o.b. Urbana
One centrifuge, size 3, on platform truck, 115 volt, 60 cycles, single phase; one head, 4-place (wind-shielded), for 1000 ml. slotted duralumin cups No. 380; four metal slotted cups, 1000 ml. duralumin; four adapters, aluminum; eight Pyrex glass sterilizer bottles, 500 ml.; eight Pyrex glass blood plasma bottles, 1000 ml.; twelve rubber caps	Chemistry	Wilkens-Anderson Co., Chicago	2 397 40 f.o.b. Urbana
One lot laboratory furniture	Horticulture	Metalab Equipment Corp., Brooklyn, N.Y.	6 917 25 f.o.b. Urbana